

Use of Gaseous Carbon Dioxide for Inten-
sifying Hydration Processes in Cement,
by M. A. Sorochkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 194, No 1, Sep 70, pp 149-151.
CB

Aug 71

Histomorphological Changes in the Pituitary and
Thyroid Gland of Birds During Hypo- and
Hyperthyroidosis, by S. K. Karapetyan.
RUSSIAN, par. Dok Ak Nauk SSSR, Biol Sci., Vol 194,
No 1, Sept 1970, pp 195-196.
CB

June 71

Photochemical Thermochromism of
Chlorophyll Analogs and Bases, by A. A. Krasovskii.
RUSSIAN, per, ~~Eng. & Tech. Ser.~~ ~~English.~~
Vol 10, No 1, Apr 1978, pp 97-100.
CS

July 71

Early Formation of Long-wave Peaks of Chloro-
phyll in Photosynthetic Leaves, by L. I. Franklin.
RUSKIAN, per, Bot. & Hort. Sci., Helsinki.
Vol. 94, No. 1, Sept 1970, pp 121-124.
GB

July 71

Relation Between Number of Codons and Amino Acid
Composition of Some Polypeptides, by L. A. Krasin.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 194,
No 1, 1970, pp 205-207.
GB

June 71

"Superinfection Proteins" of Phage T4B of
Escherichia coli and the Pleiotropic Effect of
Mutation rI, by V. I. Shcherbakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 194,
No 1, Sept, 1970, pp 208-210.
GB

June 71

Thermodynamics of the Process of Water
Vapor Absorption From the Intercellular
Space in Plant Leaves, by L. N. Babushkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci,
Vol 194, No 1, Sep 70, pp 211-213.
CB

Aug 71

Changes in the Membrane System of Chloroplasts
Under UV Radiation, by A. A. Shakhov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci.
Vol 194, No 1, Sep 70, pp 214-217.
CB

Aug 71

Caudal Neurosecretory System in Sturgeons, by
I. I. Samko.
RUSSIAN, per. Dok Ak Nauk SSSR, Biol Sci., Vol 194,
No 1, Sept 1970, pp 218-221.
CR

June 71

Number of Rapid Eye Movements in Various Types of
Human Night's Sleep, by A. M. Vain.
RUSSIAN, per. Dok Ak Nauk SSSR, Biol Sci., Vol 194,
No 1, Sept 1970, pp 222-224.
CB

June 71

Effect of Imidazole and Its Derivatives on Neurons
of the Gastropod *Lymnaea stagnalis*, by
E. A. Vulfius.

RUSSIAN, par. Dok Ak Nauk SSSR, Biol Sci., Vol 194,
No 1, Sept 1970, pp 225-228.

CB

June 71

Diurnal Rhythms of Intercellular Metabolites in
the Chick Liver, by G. D. Gubin.
RUSSIAN, per, ~~Dok Ak Nauk SSSR~~ Mol Sci., Vol 194,
No 1, Sept 1970, pp 229-231.
CB

June 71

Regulation of Immunogenesis by Hippocampal
Structures, by D. F. Flakshteyn.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 194,
No 1, Sept 1970, pp 232-234,
CB

June 71

Spread of Electrotonic Influence Between Neurones
in the Ganglia of the Leech *Hirudo medicinalis* L.,
by O. D. Tereshkov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci., Vol 194,
No 1, Sept 1970, pp 235-237.

CB

June 71

Response of Midbrain Reticular Neurons to Electrical Stimulation of the Posterolateral Ventral Thalamic Nucleus, by V. L. Teaturov.

RUSSIAN, per. Dok Ak Nauk SSSR, Biol Sci., Vol 194, No 1, Sept 1970, pp 236-240.

CB

June 71

On the Structure of the Coefficient-Domain for
Univalent Functions of Class S, by K. I. Babenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 247-249.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

On Generalization of the Integral Formulas of Cauchy,
Schwarz and Poisson, by I. I. Bavrín.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 250-252.

Am Math Soc

Vol 11, No 5, Sept-Oct 1970

May 71

The Structure of Extremal Polynomials With General
Sub-Distribution, by Ye. V. Voronovskaja.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 253-256.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Asymptotic Behavior of Generalized Bayes Estimates,
by I. A. Ibragimov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 257-260.

Am Math Soc

Vol 11, No 5, Sept-Oct 1970

May 71

The Hilbert Space of S. L. Sobolev as a Variational
Structure, by A. L. Kalasnikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 261-264.

Am Math Soc

Vol 11, No 5, Sept-Oct 1970

May 71

On Embedding Theorems for Banach Spaces With Mixed
Norm, by R. D. Kulov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 265-267.

Am Math Soc

Vol 11, No 5, Sept-Oct 1970

May 71

On the Subdifferential of a Composite Functional, by
V. L. Levin.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 268-269.

Am Math Soc

Vol 11, No 5, Sept-Oct 1970

May 71

On the Theory of Sequential Estimation, by Ju. V.
Linnik.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 270-272.

Am Math Soc

Vol 11, No 5, Sept-Oct 1970

May 71

Illumination From Within For Unbounded Convex Bodies,
by P. S. Soltan.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 273-274.

Am Math Soc
Vol 11, No 5, 1970

May 71

On Measure Densities Corresponding to the Solutions
of Certain Differential Equations With Random
Functions, by A. D. Satsvili.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 275-277.

Am Math Soc

Vol 11, No 5, Sept-Oct 1970

May 71

On the Asymptotic Behavior of the Maximum of Gaussian
random Fields, by P. I. Judickaja.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 2, 1970, pp 278-279.

Am Math Soc

Vol 11, No 5, Sept-Oct 1970

May 71

Theory of Nonstationary Systems of Automatic Control, by R. A. Abgaryan,
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 14, No 2, Sep 70, pp 280-283.
Am Inst of Phys
Vol 15, No 9, Mar 71

PRS 51830

Apr 71

A General Method of Constructing Asymmetric
Coding Systems, Related to the Solution of
a Combinatorial Problem Proposed by Dixon,
by R. R. Varshamov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 14, No 2, Sep 70, pp 284-287

Am Inst of Phys

Vol 15, No 9, Mar 71

JPRS 51830

Apr 71

Investigation of the Dynamics of the
Atmosphere of Venus With Automatic Inter-
planetary Stations Venera-5 and Venera-6,
by V. V. Kozhanchikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 14, No 2, Sep 70, pp 288-290.

Am Inst of Phys

Vol 15, No 9, Mar 71

Apr 71

Band Spectrum of a Dimer of Water Vapor,
by A. A. Viktorova.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 2, Sep 70, pp 291-294
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

One-Dimensional Nonsteady Flow of a
Barotropic Fluid, by A. V. Gurevich.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 194, No 2, Sep 70, pp 295-297
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Optically Pumped Carbon Dioxide Laser,
by A. V. Eletskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 194, No 2, Sep 70, pp 298-301
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Characteristics of the Properties of
Bismuth Layers Condensed at Liquid-Helium
Temperature, by B. G. Lazarev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 194, No 2, Sep 70, pp 302-305
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Effect of the Form of Regular Perturbations of the Surface of a Liquid Stream on Its Disintegration Into Drops, by B. G. Kholin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 2, Sep 70, pp 306-308
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Effect of Alloying Elements on the Super-
structure of Ni_3Fe , by V. I. Goman'kov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 2, Sep 70, pp 309-311
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Soft X-Ray Spectra and Galvanomagnetic
Properties of Vanadium Carbides in the
Region of Homogeneity, by E. A.

Zhurakovskii

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 2, Sep 70, pp 312-315

Am Inst of Phys

Vol 15, No 9, Mar 71

Apr 71

Scale Effects in the Dynamic Rupture of
a Structure, by A. G. Ivanov,
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 2, Sep 70, pp 316-317
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Second-Order Phase Transition in the
Phlogopite Structure, by I. N. Anikin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 2, Sep 70, pp 322-324
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Thixotropic Effects During Deformation of
Crystalline Polymers, by G. F. Andrianova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 2, Sep 70, pp 345-348.
CB

Jun 71

Kinetics of Reactive Diffusion Involving
Migration of Point Defects and Activated
Complexes, by V. I. Arkharov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 2, Sep 70, pp 349-351.
CB

EPR Investigation of the Monocrystals
of Some Substituted Copper (II) Acetates,
by V. V. Gavrilov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 2, Sep 70, pp 352-354.
CB

Jun 71

Differences Between the Catalytic Transformations of Cyclohexane on Palladium, Platinum, and Rhodium, by

V. M. Gryaznov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,

Vol 194, No 2, Sep 70, pp 355-358.

CB

Jun 71

Calorimetric Study of Postradiation Re-
combination Processes in Solid Isooctane,
by I. P. Kim,
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.
Vol 194, No 2, Sep 70, pp 359-360.
CB

June 71

Calculation of Force Constants for Second-
Row Hydrides AH by Means of Virial Theorem,
by A. G. Lazarev.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 2, Sep 70, pp 361-362.
CB

Jun 71

Effect of a Shift of Electron Density in
the Surface Layer of Active Carbons on
Their Adsorption Properties in Electrolyte
Solutions, by E. S. Matskevich.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 2, Sep 70, pp 363-366.
CB

Relationship Between Change in the Force
Constants and Anharmonicity in the
"Superconducting" Model of a Molecule,
by Ch. K. Mukhtarov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 2, Sep 70, pp 367-369.
CB

Jun 71

Interaction of Mineral Disperse Phases
With Functional Groups in Polymers, by
E. I. Pokrovskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys. Chem.,
Vol 194, No 2, Sep 70, pp 370-372.
CB

Jun 71

Kinetics of Cellulose Triacetate Degradation
in Sulfuric Acid Solutions in Binary and
Ternary Organic Solvent Mixtures, by
N. K. Pyatakina.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 2, Sep 70, pp 373-376.
CB

Jun 71

Specificity of the Electrode Functions of
Ion-Exchange Membranes and the Mechanism of
Transfer of a Charge in Them, by
M. M. Shul'ts.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 2, Sep 70, pp 377-380.
CB

Jun 71

Investigation of Dislocations in the
Products of Low-Temperature Crystalliza-
tion of Lithium Aluminum Silicate Light-
Sensitive Glasses, by A. I. Bereznoi.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech.
Vol 194, No 2, Sep 70, pp 381-383.
CB

AUG 71

Variation of Effective Viscosity of
Dispersed Structures During Vibratory
Compaction, by N. B. Ur'ev.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech.
Vol 194, No 2, Sep 70, pp 384-387.
CB

Aug 71

IR Spectroscopic Study of the Forms of
Oleate Adsorbed on the Surface of Fluorite,
by M. A. Eigeles.
RUSSIAN, par, Dok Ak Nauk SSSR, Chem Tech,
Vol 194, No 2, Sep 70, pp 388-390.
CB

Aug 71

Autolytic Processes in Frozen Plant Tissues,
by N. V. Tzinger.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci,
Vol 194, No 2, Sep 70, pp 437-440.
CB

Specific Effect of Chromium on Puff Formation in
Drosophila melanogaster, by Yu. L. Mifforov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci., Vol 194,
No 2, Sept 1970, pp 441-444.
CB

June 71

Role of Plankton in the Behavior of Tc^{99} and In^{54}
in Ocean Water, by V. N. Tikhonirov.
RUSSIAN, per. Dok Ak Nauk SSSR, Biol Sci., Vol 194,
No 2, Sept 1970, pp 445-447.
CB

June 71

Fractional Separation of Carotenes of *Chlorella*
of *Chlorella* a and b and Lutein by Means of
Bradyrhodopsin, by A. I. Shlyk.
BIOKIM, per, Dokl. Akad. Nauk SSSR, Moscow,
Vol 34, No 2, Sept 1970, pp 444-451.
CB

July 71

Formation of ~~A~~ Mercaptopyruvic Acid (Keto Analog
of Cysteine) in Leaves of *Phaseolus vulgaris*,
by V. L. Kretovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem., Vol 194,
No 2, Sept, 1970, pp 452-454.
CB

June 71

Presence of Agarase in Molluscs of the Genus
Littorina, by A. I. Usov.
RUSSIAN, per, Dok. Ak. Nauk SSSR, Biochem., Vol 194,
No 2, Sept, 1970, pp 455-457.
GE

June 71

Possibility of Chemical Regulation of the
Biosynthesis of Flavonoids by Herbicides,
by A. P. Volynets.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci,
Vol 194, No 2, Sep 70, pp 458-460.
CB

Entropy Increase in Leaves and the Coupling
of Respiration and Phosphorylation, by
R. I. Florov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci,
Vol 194, No 2, Sep 70, pp 461-464.
CE

AUG 71

Adaptive Significance of Body Shape in Radio-
larians, by M. G. Petrushevnaya.
RUSSIAN, per. Dok Ak Nauk SSSR, Biol. Sci., Vol 194,
No 2, Sept 1970, pp 465-467.
CB

Index 111

Effect of Dorsal Hormones of General Action on
Food Consumption by Intact and Hypothymized Rats,
by V. A. Zabolotnykh.
RUSSIAN. per. Dok Ak Nauk SSSR, Biol. Sci., Vol 194,
No 2, Sept 1970, pp 464-470.
CB

June 71

Presynaptic Effect of Inidazole and Carnosine,
by S. E. Severin.
RUSSIAN, per. Dok Ak Nauk SSSR, Biol Sci., Vol 194,
No 2, Sept 1970, pp 471-474.
CB

June 71

Influence of X Irradiation and Inhibitors of
Nucleic Acid Synthesis on the Respiration and
ATP Content in Leech Embryos, by

I. S. Nikol'skaya.

RUSSIAN, per. Dok Ak Nauk SSSR, Biol Sci., Vol 194,
No 2, Sept 1970, pp 478-480.

CB

June 71

On Economical Construction of the Transitive
Closure of an Oriented Graph, by V.L. Arlazarov.
~~RUSSIAN~~, per, ~~Eng Ak West 1970~~, Sov Math.,
Vol 194, No 3, 1970, pp 487-490.
Am Math Soc Soc.
Vol 11, No 5, Sept-Oct 1970

Mar 71

Best Possible Criteria for the Convergence of
Fourier Series of Almost Periodic Functions,
by E. A. Brezinski.

~~RUSSIAN, 1970, Dokl Ak Nauk SSSR, Sov Math.~~

Vol 194, No 3, 1970, pp 409-411.

Am Math Soc Soc.

Vol 11, No 5, Sept-Oct 1970

Mar 71

On Stabilization of the Solution of the Cauchy
Problem for a Parabolic Equation, by A.K. Gusein.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math.,
Vol 194, No 3, 1970, pp 492-495.
Am Math Soc Soc.
Vol 11, No 5, Sept-Oct 1970

Mar 71

Bifurcation Points of a Hammerstein Equation,
by P. P. Zabrejko.
RUSSIAN, 1st, Dok Ak Nauk SSSR, Sov Math.,
Vol 19, No 3, 1970, pp 496-499.
Am Math Soc Soc.
Vol 11, No 5, Sept-Oct 1970

Mar 71

Complexity of Resolution of a Recursively Enumerable
Set as a Criterion of Its Universality, by
M. I. Kanovic.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 3, 1970, pp 500-503.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

On the Index of Some Classes in Integral Operators,
by N. K. Karapetjanc.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 3, 1970, pp 504-507.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Admissibility of the Sample Mean as an Estimate
of the Translation Parameter With Polynomial
Losses, by L. B. Klebanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math.,
Vol 194, No 3, 1970, pp 508-509.
Am Math Soc Soc.
Vol 11, No 5, Sept-Oct 1970

Mar 71

On the Theory of Periodic Solutions of Systems
of Ordinary Differential Equations,
by E. Mikhlin.

REVIEW, for: Eng. Ab. Tech. Ser., Sov. Math.,

Vol 19, No 3, 1970, pp 512-513.

Am. Math. Soc.

Vol 21, No 5, Sept-Oct 1970

Mar 71

The Polyhedron $u(n)$ and Some Extremal Problems
in the Geometry of Numbers, by S. S. Ryakov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math.

Vol 19, No 3, 1970, pp 514-517.

Am Math Soc Soc.

Vol 11, No 5, Sept-Oct 1970

Mar 71

On the classification of Tri-Symmetrical Spaces,
by L. V. Shklyar.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math.,
Vol 19, No 3, 1970, PP 518-520.
Am Math Soc Soc.
Vol 11, No 5, Sept-Oct 1970

Mar 71

Quasi-Conformal Harmonic Mappings of Euclidean
Space, by O. V. Titov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math.

Vol 194, No 3, 1970, pp 521-523.

Am Math Soc Soc.

Vol 11, No 5, Sept-Oct 1970

Mar 71

Application of A Method of Fast Multiplication of
Matrices in the Problem of Finding the Transitive
Closure of a Graph, by M. Ye. Furman.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 3, 1970, pp 524.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Extension of Maps Into Spheres and P. S. Aleksandrov,
Problem of Disjoint Condensations, by

N. Hadadivarov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math.,

Vol 19, No 3, 1970, pp 525-527.

Am Math Soc Soc.

Vol 11, No 5, Sept-Oct 1970

Mar 71

On the Theory of p-Spaces, by M. M. Coban.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol 194,
No 3, 1970, pp 528-531.
Am Math Soc
Vol 11, No 5, Sept-Oct 1970

May 71

Factorization of Symmetric Matrix Polynomials,
by V. A. Jakubovic.
USSRAN, per, Dok Ak Nauk SSSR, Sov Math.
Vol 19, No 3, 1970, pp 532-535.
Am Math Soc Soc.
Vol 11, No 5, Sept-Oct 1970

Mar 71

Dynamics of a Stiff Rotor Running in
Rolling Bearings With Initial Axial
Tightness, by A. S. Kel'zon.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 14, No 3, Sep 70, pp 536-539
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Micro radiowave Absorption by Dimers of
Atmospheric Water Vapor, by A. A.
Viktorova.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 3, Sep 70, pp 540-543
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Characteristics of Coherent γ -Meson Inter-
actions With Emulsion Nuclei at 60 BeV
Energies, by A. Kh. Vinitiskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 19, No 3, Sep 70, pp 544-546
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Entropy of a Polarized Gas and the Gibbs
Paradox, by V. L. Lyuboshits.
RUSSIAN, per. Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 3, Sep 70, pp 547-550
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Stability of a Finite-Pressure Plasma
Containing Trapped Particles, by
A. B. Mikhailovskii.
RUSSIAN, per: Dok Ak Nauk SSSR, Sov Phys,
Vol 14, No 3, Sep 70, pp 551-552
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Gravitational Stresses, by I. G.
Pikhtengol'ts.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 194, No 3, Sep 70, pp 553-556
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Absorption Spectrum of Water at 300° in
the 4500 to 1500cm^{-1} Waveband, by
G. V. Yukhnovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 14, No 3, Sep 70, pp 557-559
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Relaxation Phenomena and Structure of Fine
Glass Fibers, by N. S. Aslanova.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 194, No 3, Sep 70, pp 560-562
Am Inst of Phys
Vol 15, No 9, Mar 71

Am Inst of Phys

The Use of Hydrostatic Extrusion to
Increase the Contact Fatigue Limit of
High-Strength Steels, by G. V. Karpenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 194, No 3, Sep 70, pp 563-565
Am Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Effect of Oxide Films on Friction in
Metal-Working, by V. I. Pilyaeva.
RUSSIAN, per: Dok Ak Nauk SSSR, Sov Phys.
Vol 194, No 3, Sep 70, pp 566-569
An Inst of Phys
Vol 15, No 9, Mar 71

Apr 71

Temperature Dependence of the Adsorption
Separation Coefficients for the o-p-
Modifications of Hydrogen, by
B. N. Zimoglyad.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 3, Sep 70, pp 606-609.
CB

Structure and Several Properties of Ni-B
Coatings Obtained by Chemical Reduction,
by M. V. Ivanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 3, Sep 70, pp 610-613.
CB

Jun 71

Investigation of Dissolution and Passiva-
tion of Iron by the Photoelectric Polari-
zation Method, by E. K. Oshe.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 3, Sep 70, pp 614-616.
CB

Jun 71

Investigation of the Molecular-Weight
Distribution of Polybutadienes Obtained
Under the Action of Catalyst $(\eta\text{-C}_3\text{H}_5\text{NiCl})_2$
+ TiCl_4 by N. I. Pakuro.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 3, Sep 70, pp 617-620.
CB

Jun 71

Modelling of Hydrophobic Interactions,
by V. A. Pchelín.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 3, Sep 70, pp 621-624.
CB

Jun 71

Kinetics and Mechanism of Liquid Phase
Oxidation of Isopropylbenzene Catalyzed
by $[\text{Co}(\text{CH}_3)_2\text{SiH}_2]_4$ / CoCl_4 , by
V. A. Tulupov,
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem,
Vol 194, No 3, Sep 70, pp 625-627.
CB

Investigation of the Crystal Lattice Defects
of Nonequilibrium Spinel Phases, by
V. I. Arkharov.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 194, No 3, Sep 70, pp 628-631.
CB

"Microbreakdown" Effect of Polymers With a
Dispersed Conducting Filler, by
V. D. Gul'.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 194, No 3, Sep 70, pp 632-634,
CB

Aug 71

REQ TR CHECK

3-5-22

TG19

EFFECT OF ALKALINITY (ACIDITY) ON THE
THERMAL STRENGTHENING OF SODIUM AND
LITHIUM GREASES
SINITSYN V V; PONOMAREVA YE L
UR: AN SSSR. DOKLADY 1970, vol 194,
nr 3, pp 635-637

*In process**HS-23-71-07/5**Signature
17 May 71*

Influence of Alkalinity (Acidity) on the
Thermal Strengthening of Na and Li
Lubricants, by V. V. Sinitsyn.
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 194, No 3, Sep 70, pp 635-637.
CB

Aug 71

Self-Passivation of Chrome-Nickel Steels
in 93% Sulfuric Acid in the Presence of
Fluorides, by M. N. Fokin.

RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech,
Vol 194, No 3, Sep 70, pp 638-641.

CB

Aug 71